

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-59. (previously canceled).

60. (currently amended) ~~A method of treating, preventing, or ameliorating a pathological condition in a mammal, wherein said pathological condition is associated with a pathological deficiency in the oxygen-carrying component of the blood, comprising a step of inducing erythrocytic differentiation and hemoglobin expression by administering to said mammal a pharmaceutical composition of claim 70~~ pharmaceutical composition, comprising an extract from a plant of Trichosanthes and being accompanied by a piece of information indicating that said pharmaceutical composition is beneficial in treating, preventing, or ameliorating a pathological condition associated with hemoglobinopathies in a mammal.

61. (currently amended) ~~The method~~ pharmaceutical composition of claim 60, wherein said ~~pathological deficiency is sickle cell anemia or a type of thalassemia~~ hemoglobinopathies is sickle cell anemia, hemoglobin SC disease, hemoglobin SS disease, sickle beta-thalassemia, or a thalassemia syndrome.

62. (currently amended) ~~A method of making the~~ The pharmaceutical composition of claim 70 ~~60, comprising a step of extracting dried parts of~~ wherein said extract is obtained by a process comprising a step of extracting Trichosanthes with a solvent of a polarity index greater than 2.

63. (currently amended) ~~The method~~ pharmaceutical composition of claim 62, wherein said solvent is water or a polar organic solvent or a mixture of water and one or more polar organic solvents.

64. (currently amended) The ~~method~~ pharmaceutical composition of claim 63, wherein said solvent is 50-70% ethanol, by volume.

65. (currently amended) The ~~method~~ pharmaceutical composition of claim 62, wherein said process further comprises a step of removing insoluble materials by filtrating and centrifugation to obtain a clear supernatant, and a step of concentrating said clear supernatant to obtain a syrup.

66. (currently amended) The ~~method~~ pharmaceutical composition of claim 65, wherein said process further comprises a step of extracting said syrup with another polar solvent to obtain an liquid extract; said another polar solvent being water or a polar organic solvent or a mixture of water and one or more polar organic solvents.

67. (currently amended) The ~~method~~ pharmaceutical composition of claim 66, wherein said another polar solvent is substantially pure ethanol.

68. (currently amended) The ~~method~~ pharmaceutical composition of claim 67, wherein said process further comprises a step of concentrating a clear supernatant of said liquid extract to obtain a another syrup.

69. (currently amended) The ~~method~~ pharmaceutical composition of claim 62, wherein said process further comprises a step of obtaining a substantially pure chemical compound.

70. (currently amended) A ~~pharmaceutical composition, comprising an extract from a plant of Trichosanthes and being associated with an indication for its usefulness in treating, preventing, or ameliorating a pathological condition associated with hemoglobinopathies in a mammal~~ method of treating, preventing, or ameliorating a pathological condition in a mammal, wherein said pathological condition is associated with a pathological deficiency in a oxygen-carrying component of the blood, comprising a step of inducing erythrocytic differentiation and hemoglobin expression by administering to said mammal a pharmaceutical composition of claim 60.

71. (currently amended) The ~~pharmaceutical composition~~ method of claim 70, wherein said ~~hemoglobinopathies is sickle cell anemia, hemoglobin SC disease, hemoglobin SS disease, sickle beta thalassemia, or a thalassemia syndrome~~ pathological deficiency is sickle cell anemia or a type of thalassemia.

72. (canceled).